PARTICULATE MATTER EMISSIONS FROM STATIONARY SOURCES by EPA METHOD 5								
Facility Name:	VELAP ID							
Assessor Name:Analyst Name:		I	nspec	ction Da	te			
Relevant Aspect of Standards	Method Reference	Υ	N	N/A	Comments			
Records Examined: SOP Number/ Revision/ Date				An	alyst:			
Sample ID: Date of Sample Prepa	aration:	Date of Analysis:						
If stainless steel probe nozzles were used, were they made of seamless tubing?	6.1.1.1							
Were sampling temperature sensors capable of measuring to within ±3°C?	6.1.1.7							
Were temperature sensors installed so that sensors were in direct contact with the sample gas?	6.1.1.7							
Were the first, third, and fourth impingers modified to that a glass tube extended to about 1.3 cm from flask bottom?	6.1.1.8							
Did second impingers have standard tips?	6.1.1.8							
Did first and second impingers contain known quantities of water?	6.1.1.8							
Were third impingers empty?	6.1.1.8							
Did fourth impingers contain known quantities of silica gel?	6.1.1.8							
If particulate matters collected in impingers were measured, were sample trains setup exactly as dictated by the method?	6.1.1.8							
If metering systems were used in conjunction with pitot tubes, did the systems allow for periodic checks of isokinetic rates?	6.1.1.9							
Were barometers capable of measuring atmospheric pressure to within 2.5 mm Hg?	6.1.2							
If weather station barometric pressure readings were used, were they adjusted for elevation differences between station and sampling point at a rate of 2.5 mm Hg/ 30 m elevation?	6.1.2							
Did glass fiber filters exhibit 99.95% efficiency on 0.3 micron dioctyl phthalate smoke particles?	7.1.1							
Notes/Comments:								

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Vas silica gel dried at 175°C for 2 hours if previously used?	7.1.2				
Vas deionized water ASTM D 1193-77 or 91 Type 3?	7.1.3				
Vere acetone blanks determined to be ≤0.001% esidue prior to field use?	7.2				
Vere blank values never subtracted from sample values?	7.2				
Vere silica gel aliquots weighed prior to introduction nto to their impingers?	8.1.1				
Vere filters checked against light for irregularities, laws, or holes?	8.1.2				
Vere filters associated with their containers at all imes?	8.1.2				
Vere filters desiccated at 20 ± 5.6°C at ambient emperature for 24 hours?	8.1.3				
Vere filters weighed to 0.1 mg at intervals of 6 hours of a ≤0.5 mg change?	8.1.3				
Alternatively, were filters oven dried at 105°C for 2-3 nours, desiccated for 2 hours, and weighed? (No nention of constant weight)	8.1.3				
Vere filters exposed to atmosphere for a total of less nan 2 minutes during each weighing?	8.1.3				
/ere nozzle sizes not changed during runs?	8.2.2				
ere sampling times per point not less than 2 inutes?	8.2.4				
Pere all openings in sample trains closed from prior assembly until just before sampling began?	8.3.1				
Vas care taken to avoid putting enough silica gel in he fourth impingers to be entrained and carried away?	8.3.1				
Vere filters checked for tears after sampling?	8.3.2				
ere O-rings used in filter-holders appropriately heat sistant?	8.3.3				

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
eak Checks					
Vere leak checks conducted on metering system prior or initial use and after each shipment?	8.4.1				
Vere leaks in meter boxes corrected if found?	8.4.1				
Vere leak checks conducted prior to component hanges on sample trains when components were hanged during runs?	8.4.3				
Vere leaks corrected when above leak checks during ample runs were greater than the lesser of 0.00057 m <sup>3</sup> /min or 4% of the average sample rate?	8.4.3				
Vere leak checks conducted at the conclusion of each ampling run at vacuums greater than or equal to the naximum value reached during the sample runs?	8.4.4				
Vere leakage rates recorded, sample volumes orrected, or samples voided when post-run leak hecks were greater than 0.00057 m <sup>3</sup> /min or 4% of the verage sample rate?	8.4.4				
rocedure					
Vere dry gas meter readings recorded initially, after ach sample time increment, when changes in flow ates were made, before and after leak checks, and at the conclusion of sampling?	8.5.1				
Vere temperature and probe heating systems verified be up to temperature prior to sampling?	8.5.2				
Vere flows adjusted to isokinetic conditions quickly fter sampling began?	8.5.2				
Vas care taken not to bump probe nozzles into stack valls when sampling to avoid extracting deposited naterials?	8.5.5				
Vere steps taken periodically during sample runs to eep temperature around filter holders at proper emperatures during sampling runs?	8.5.6				
Vere steps taken to maintain temperatures of less nan 20°C at condenser/silica gel outlets during ampling runs?	8.5.6				
lotes/Comments:					

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Sample Recovery					
When sampling was concluded and sample trains were cooled, were probe nozzles and impingers capped to prevent sample trains from gaining PM?	8.7.2				
Were portions of field cleanup acetone saved as blanks?	8.7.5				
Was care taken to prevent substances from the exteriors of probes being rinsed into sample containers?	8.7.6.2				
If water was used to rinse probes and impingers were water blanks saved?	8.7.6.2				
Were probes nozzles and fittings brushed and rinsed until no particles were visible in rinsates?	8.7.6.2.1				
Was care taken to avoid contacting silica gel with water after sampling and prior to sample weight determinations?	8.7.6.3				
Analytical Procedure					
Were PM samples desiccated to constant weight differences of no more than 0.5 mg or 1% with no less than 6 hours of desiccation between weighings?	11.2.1				
Alternatively, were PM samples oven dried at 104°C for 2 to 3 hours and cooled?	11.2.1				
Were liquid samples measured to ±1 mL volumetrically or ±0.5 g gravimetrically, desiccated for 24 hours, and weighed to a constant weight?	11.2.1				
Were silica gel portions weighed to the nearest 0.5 g?	11.2.3				
Were acetone blanks measured either gravimetrically or volumetrically and desiccated to a constant weight?	11.2.4				
Notes/Comments:					